

**AMENDMENTS TO THE CLAIMS**

Please **CANCEL** claims 1-16 as shown below.

Please **ADD** new claim 17 as shown below.

The following is a complete list of all claims in this application.

Claims 1-16 (Cancelled)

17. (New) An abrasive carbon foam having an adherent surface comprising:

an abrasive carbon foam body having a surface, wherein the abrasive carbon foam body is produced by blending particulate coal having a free swell index ranging from about 3.5 to about 5.0 with about 1% to about 10% by volume of a carbide precursor powder to form a reactive blend wherein the carbide precursor is selected from the group consisting of tungsten, silicon, and titanium, and controllably heating said reactive blend in a mold under a non-oxidizing atmosphere to a first temperature ranging from about 300°C to about 600°C and soaking at this temperature for a period ranging from about 10 minutes to about 12 hours; and an epoxy-graphite adhesive on the surface of the abrasive carbon foam body.